Catameria, I august 8, 1959 Ca de fau autour There is one other small finch divind here more or less in the same I areas as the Larle-Cele Juels, the asky-throated Truck (a many francis Gavel Zoustenlier). apparenty for more common than any of the local Beryonless sop. I think it may be a species of Calameura, or nomething close to it. Seves vez nuclas or identical. and grayily arown (unstreated or streaked horney gray - back brown, stealed black White wwg-bare Wings generally an streatment grayeit white The general effect of this lettle fruit is quite reminiscent of a female Wolst in a. It is relatively larger-headed, thinlier a shorter-billed, smaller booked, I and resorter-tailed their any of the local Planygulus ssp. It recues to be quite gregarious. Either that or famely parties with I full grown young often come together when feeding I have our heard this years after two types of notes, both quite CN-Celie in phezneal Jour The west common is a lungry, raying, what "Debut". This is often attend in doublets (without utualish partices of movements) by it 11 artied avids Jeying away from me Their worming I watthed a pereled beid look at me for a long time

Catameura, Olug 8, 1959 II and atter a lot of "Delut" notes, (9 think at megular nitowals), after a while the laid "Delut" northed to atterweg their "Drit" or "Tile" hotes which rounded very week like the "Tik" notes of the Fork Cille Finds. There were awall favily loves (reveral record) intervals between men envie "Lit" Hotes but the levid ded once give a ver auderated burnt of al least & or le Trit notes when arestter wid of the name years flew by. It is just beenely possible that the "Druht "notes of this years are streets howologous with the roug of the Tark-like Juich. Traw one young bird of this spenes heg from its parents. Took the "unal" form: & (ofthe curies) and hoarse " 3 has 3 has 3 has ... Ca de Sou autorio Catamenia I I now that some at least of the lette stuped browners sparsow-like Suiches I naw around here lent year were the q's of Calamena anales I am also certain that the little livid drawn inmediately above on the preceding page was a of this years. for MIMM = aualis = D'Orbiques seed-cater There are defruitely at least reveral pours or Ce or 7 widwidwals or around here now, both in the hedges along the flat comfrelds and on of the clopes at the base of the mountains. almost certainly far less common I than the arby-throated Finders, however. One of and que have new seem to stick together metty well (alth Zough they writing aren't together all the time). Prescurally wated. The Co other of sand q's we have near have been reparate (from each other). We have frequently new a surgle of or q D'Orbriguy's more or less

Catarenia, May 72, 1960, II. 3 olous anociated, zeeding, with groups of arby-throats, but this anociatte floches to go off be Themselves. I have not very were interesting duplays by the D'Orlign
y's this year, but I have alrewed a few receteous more or less connect ed with gugariousies and/or low interest bothlets. One rollier of I watited quite cloudy not in a buil, quete relent, jerforming ver gregtent U-D TF's, with little or no WF's. Juil lilie the Chy- throats Fatur ou, we saw what appeared to be a pair Seeding in a bush Broth wids performed a lot of extreme WF's (presumable wette TF's) in there wicoustaines. One or both birds also ultered a lot of sugle "D33" or "Defeut " CN's like those I beard attered by a sleet year. According to David, one of attered a " I seeyou "CN as it flew away from hum
The general effect of this species in the field is certainly very 2 Phrygilus Celle Calavenia, I Ca de fau autorio The of D'Orbiguy's is wiquing & Sporoplula-lelie in goveral Co appearance We watched oue of today who recued to be servi-I crested in much the rouse way as the Varied feed. eater in Carama (This or eventually began to preen and so it is possible that his "CR" was an intention I movement of a queral ruffle.)

(4) Coloniera, May 23 1940, II. Ca de Cotocallao Mus afternoon we found quite a lot of D'Onbiguy's feed caters on the slope of a very large ravine as deep valley (no today's notes Jou Plangilles) Mostly low shrubbers, with a few scattered Encelyp Tus trees, The D'Orbigny's feed eaters were far more common here than Jat fan autorio (now), and also apparently more advanced in the breedly Quite a lot of the of D'Orlinguy's (at least 3 or 4 in dividuels)

2 were migue quite frequently between approximately 3:00 and 4:30 p.m.

We paid youral attention to one particular of (which I shall Orbigues of and there of all the other of D'Orbigues on the neigh-borhood) were remarkably similar to the rones of or arky-throated Friches Brief R's. Frequently repeated. Love of them were quite nasal. a might song note afthe resal type might be represented as "Francasamen". Others were alwart or completity non-vasal. There latter were executeally identical with the rong notes of of any-throats - except for the fact that they ded not have the buggy quality which is no charact eventes of the roug notes of ally-throats As parture during his roug notes was couvre ça not fluffed Wor CR Quite Erect. Head tilted elightly diagonally upward

Catameria, May 23, 1960, III. (3) In between song notes, he tended to relax. Lat a lette less excert. His bead come down to how outal. and be also cooled around from ude to ride, quite evergetically but rather megularly (ce. his looking movem. ents were probably not returaled as much. When he was suigne relatively infrequently i.e. not very internely be traded to be more fluffed, and it less exectly than when he was suigning most pequents and rapidly waterted A, but I think that their roug portures were similar or clentical to the roug posture of A.) Most of the rough of the of a Orleigny's this afternoon were deliver ed from percles at the tops of rwall burker or shrules, perhaps 1-3 st off the ground; but we did see some songs delivered from higher perdies, in Eucalyptus trees, perhaps 15 gt off the ground. At should be unembered. that the slope of the ground here is very steep, no that a bird suiguing 15 It above the have of the tree in which the is perched may be only a few feet 11 above the ground some chitarice away.) I the rame perches as the A of D'Orbiguey's (when the latter was away &

In zeveral, & Orbrique o Seed eater and the arby-throated Jui ch recen to prefer exactly the name habitat for all purposes. Late this afternoon we watched a of D Orlingry's (not A) chave a Jewale, repeatedly for quite a long period of time. Fact twisting arrival purnits, alternated with what appeared to be buildereal scuffles, and bruif periods when both livids laveled on the ground or in low bushes (un fortimately we could not see the wids when they were on the ground or in Cow bushes), Some of this apparently laving son completely aggressive

Catamana, Hour 33 1960, III, (6) or "D33" notes ly merguits were ausupamed by reveral "Dalut" over both winds. Dan beginning to thus that there notes must be purely hortile.) (When Dray we waterted a male pursuing a "female" 9 I wear that we presumed the purmed levid was Sewale. It was in Jewinie of stuped brown plumage. But its bell appeared to be quite yellowith - un I like the Cells of the presumed of a I have near before. It might concewably of have been a juv. of On perhaps the bells of q's in breeding condition are brighter than those of q's in non-breeding condition.) I dreiled the WF patteries of of A neueral times. When he is really moving about quite actively o frequently, he closs may nather extreme WF's (apparently always synchronged with TF's I when perched in the intervals between flights. May 24, 1960 Calamenia, I Ca de Cotocallao We waterlied D'Orluging's feed-eaters again today, in the same I place as yesterday. They were not very active as a whole. They went the Towels the same phases of activity as the Asky-throated Juclies in the sa sue area Cree today's notes on Phrygilus); but they performed ever less I dentar. Souly noticed two features of minor interest

One of D'Orbeging 's defentely uttered "Jirt" CN's in flight (when
moderately distributed by us). They wounded exactly belief the "Dist"s of Phrygreus spp The of D'Orlegery's, sweeing in the unel way, was very lovely ap growthed by a q arby throat. He came within a wicher of him, and not the

Calamena May 24, 1760, II.

图

III vig.

This includes does neem to be a less ground-dwelling form than the Phe of your species does need only a few victies of the ground but reldon on never actually on the ground thirly. This is quite include the asky throated 5 and Larle Cilie Friches which feed on the yound very frequents

Calamena, I

May 25, 1960 Ca de Traquito

We came upon an area this afternoon where D'Orlinguy's feet Jeaters were more abundant than any place I have ever reen before. I a large flat field, surrounded & Encalypters plantations. The vegetate I were occasional tatter strules reattered around the field, and some Ly bregier theilet-y shrubberg long the outer edge of the field, at the book I enofthe Eucalystus. (Meclinate in the area of this field is probably I regette let ingrificante more buried than at Cotocallar or fay autor (o) Most of the D'Orlegey's yout most oftheir time withe Comer shrubber occasionally perchang on ligher builles or low in trees a few were scattered through the Eucalystus tielf.

all the levids we watched appeared to be paired. Is and

& s mount around close together

We walited one wated pair, retting about a foot apart, fair low in a Encalystus tice, preserves. Every once in a while one or both livide would fly or liop to a new percha few feet away. Once, when the of mor moving about, but till not far from the of the attend 3 or 4 "D33" or "Dzhut" hoter. Hus was not anoupawed & any

The most studing aspect of the behavior of the T's this afternoon was the work, complete abrence of suigning. Home of the or's ever song when they were near their mates. It was very noticeable that, when a quel who had been near her wate moderal flew away, and the or did not follow her, he immediately began to mus, the very untaret after shee had gone. This is a very good vidication that the roug of this years is produced by some furtherion or thewarting of some pairing and/or result downs.

I was surprised to see that I's of different pairs did not new to sund very surely when they happened to come close together I also saw a I per clied in a Eucalyptus tree with his wate, ignore another or nitting in a brush at the house of the tree. Thurling it over, in fact, I show the trush their very count hostility between I's of this species!!!

Jeste their evening, after munit, we unddenly noticed a of D'Driegnin's Jeguns about excitedly, ultering lots and lots of "Dzz" or "Dzlint" hotes. Continued for quite a long time. Every once ni a while "he would parm and nit on a perch for a few reco nots. but the continued to uttin the name notes very rapidly while perched. Her perchaig parties was completely unitualized at such times all the time the quitered their notes, she appeared to bequi to alone, with no or near here. Eventually, she fell when — and we then noticed that their was a or with his. I think that her quat lawest of "Dzz" or "Dzlint" hotes must have been provoked by the fact that "Pzz" or "Dzlint" hotes must be used been provoked at from her wate. These feminine notes may be the event equivalent of the wasculine roug. It would thee appear that the "Dzz" or

Calamenia, May 25, 1940, tt

Debut " Notes of the result of the arting some pairing and of result 11 & derive (5).

Certamenia, I

May 29, 1940 Ceur Pichericha

9

Several times before today we have reen widevictuals of what appears to be another species of Calamenia here, on the outshirts of the bedges where we have been studying various tanagers, diglonas, etc.

(1c. ou the edge of some larger grany Sulds).

The goveral appearance of this years is quite dutinative. 1 Bill quele heavy; purheils-orange-yellow. The whole plumage of the I bead and lower parts of the body is generally a rather publish- buffy color. The head is rather buffy - graypil, with some facilit iteating on the nown a nagre. The breast is a clear pulling - groupets - breffy. The hells and flowers near to be more orange in general tone; and there is novee streaturing on the flanles, at least. The wings recen to be dull gray. The under vide of the tall i dorbe brown. We have not yet been able to get a decent view of the back and upper ride of the tack

(Ver) Think that this species must be C. minor (= MANNER) This morning we middent became aware that there were lots of there birds suizeus. I do not think that we could have overlos had much prequent migues before. Ithink that the breeding reason of there have just begun.

All the suignes we waterted this mouning was performed by I livids perched in hunkes. In low limbes in the model of a grany

feeld Or lugleer leveles in the healge.

(10) Cotomeria, May 27, 1760, I. It is possible that this years has more than one type of rong (ne below), cut we only new one type uttered the morning.

The rough weally composed of 4 moderately long notes. Def

initely lungry Pather reminiscent of the roug notes of the arky. Throat ed Juich in quality a typical complete roug muget be represented by the following "3 rrmm - 3 eececce - 3mm - 3mm Sometimes the last note is omitted This is attered from porteres very much lette the suigning portures of D'Orbigny's feed-cater Head probably romewhat ruffled. Wurgs probably rome what desped Porture of wid setting in low bush (poully wethout room to Hus way be the typical suigring avange tail property).



The diaming on the right hand risk of the preceding page allows the porture of a brief return on a brief expect perch without any encumbering leaves or staths nearly. It may be typical We noticed that their brief brought its tail ability but compressoned forward each time it uttered a note of the rong. The tail was reloved, brought back, but ween notes, even between the notes of a ruigle rong.)

Like D'Orleague 's feed-caters, there wides tend to lift the bead, and probably tilt the well diagonally upward, with each note of the roug

and none feterer rouge provolved any obvious response from an other and

andercubed above, in flight flour "fleggy" flighet.

Their species certainly has the same order as TF's and WF's as the other species of Catamenia and Pluryplus. Quite Frequent when just hep projection and order feeding.

Catamenia, I

May 30, 1940 Ceno Puluvicha

I now think that part of my description of the F of this years on p 9 is aligned muleading. The whole face and broad appear to be quite groupile (at least in most lights), rather than publish.

Their heads a recles may be quite compicuous. They have white outer toil feathers (or at least, the union vanes of these feathers are white).

The Q's of this species are very similar, but they are more juick-I who buff on the face and breast. Their buest is also streated. As in the case of & Orbe zug's Frich, we seen brids of this species in a plumage wi

- NEW WEE - Was 30, 1960, In. I the pute buglet orange bells as well as well as well obuly our Mu morning we watelesol an apparent pair, feeding in the gain and Cour hurlier, 4 or 5 gt apport. One of the builds, apparently the of of a D'Orbiguy's. I get nome more mems of Formiques then morning I watered that they frequents mugwette the breact and belly feathers remember fluffalways a trace of CR. ed audapprecult Bill frequents poulest disfits fairly contains that the type of rong Tam now is the only type of roug of their species described above on p. 10 frequently yesterday, williout being We beard another type quite it. But today we beard only the able to identify the lands allering we waltered quite a lot of mornates type eleculard on p. 10, although for scribages the other typic of roug is uttered by nome other species. May al, 1961 Ca de Traqueto Calatuenia, I The field whose there were so many & Orbigry's feedeaters last year. There were still a lot of D'Orbiguy is around today; and there was

Catamenia, May 21, 1961, II. (3)also at least 137 minor, fuigrung quite a lot In low brushes, Just leter the Do Orlingrey's The song of the news this afternoon were rather similar to their of the livids we observed above hono last year, but apparent by not identical formewhat variable. Wendly consisted of one low briggy note, followed by one clear whatle note, followed by two more briggy notes more or less comme Sometimes a rucce complex phrase was uttered, apparently an vicomplete combination of 2 phonoses belie the one above. Those or less comme ça munus

Colones Meg 21 1961, III munu formetimes abbreviated: nunn mur num Svist note apparently always lower than any of the others.

I am not almostly contain about the changes in peters of now
e of the notes of these songs Poully the first buys y note is rountimes
or awally murm instead of number. Possibly the bigh-pitated whittes are unally a nowetunes __ ustead of There recep are really rather reminiscent of attagetes infine-

Catameura, May 21, 1961, III. (3) While be saug this afternoon, the Francis sat in an invitualized Cooling portrose more or less like the ones I drew last years lut without any trace of CR Cataweria, I Ca de maquito Wateling in the same place this money, from well before Thuch to my ways in wither years of Catamenia ded ver To les thou yesterday afterway. Javier away the D'Orbiguy's In what appeared to be a mall flore well and I brids in provide or adult of My 2 d's chased oue another back a forth very actively forquite a long time, occasionally perdung close together momentari by between chases. Apparently hostile Interestingly enough, however they showed no display at any time. always quite relent. a few records later the flock was all together. Thoong alo ut was apparently perfectly friendly manner But one or more of the livids uttered quite a lot of "Defent notes Quouder of To Dolo igny's also utter nuch notes? " I have yet to bear any "Tit" Chotes this year which I was nove were extered by of a Dalrigny's) Then I now what I thought was a cop attempt. Tapparen the on top of "q" of with wwep disoped, doing extreme (& Cratter No wely). Her head a body were mon or less diagonal, pombly because

Catemers May 57 1901, IF.

(16)

* who was perceived on a nearly vertical stem. The "q" sho aftered a cont unions review of "Dzz" "Hotes. Lelie and ware." Dzz" hotes in other araway and a lettle less hard. The of was quite releat then the of flew away, without display. The "q" stopped & and of "Dzz" "Hotes immediately.

"Dzz" Hotes immediately.

"Dzz" Hotes immediately.

"Dzz" Anotes immediately.

notes before hand

When I now this performance, I was absolutely certain that it was a cop attempt. But then I now food beganing and feeding the below); and so I cannot be absolutely certain about anything. It is conceivable that the FI thought was copulating was morely perchal above the "4", trizing to feed her. But I think it extremely unlikely a few murules after this pursuand copulation allowers.

naw a lund, either jumente er adult q, begin gina rewi-H poil wee. Ultering "D33" Getter, which were gradually accelerated wite

"33 33 33 33 ..." Notes. Thus "lugging" bird was then fed by another built, ale a province or an adult of!

legrin to beg (again), in more or less the same way With a ilight trace of TV! Heri begging build was quite near an adult of But the of did not regroud and hoth brids flew away in a few recondends.

It is possible that the same brief ded all these Q-begging perfor mances this morning, but I can't be more about this (It is impossible to follow individual briefs continuously in the builtes here)

Catameria I May 23, 1761

Ca, de Inaqueto

(But to the same place the morning before down.

The D'Orbrique 's were around as usual, but very martine (today was very which,), and I couldn't study them well. The only interesting incident I saw today involved to q's or jiwewles. They bad a long a violent fright in the dir. Anompawed by HAC Hotes.

There might be transcribed as "Drank drank drank..." Quite like ordinary "Drut" and "Drz." Notes, but nowewhat longer and were usual.

Jam now beginning to think that all the "Dz -" Notes of all Catameness (and all Phrygili) must be at least partly hortile. Very early this morning, before nursise, The and a or minor smigroes for quite a long time. This was definitely not the of Theart in this field a couple of days ago. In a different area. And his roug was like the rough of the brids we heard on Pichicha last year. D. E. the second note of early phrase, the brigh white, had a slight rattle and extense.

In portwie was most undulingualed during this surging to CR.

Jail sometimes (at least) not lowered (i.e. hept moderately lugger as in the left band diawing on p. 10, May 27, 1960). Week not stretch edup very much. Breast and belly quite appreciably fluffed when view ed from the front. His bill was kept open stronghout each roug phress e (not cloud between notes). Opened more widely with lowder notes than weth rofter over.

The thered note of each roug plerase is unally the Constert Joney

(Sternander 911 mg 23, 1961, IF. (18) The governal rule news to apply to the rouge of both the of 's in this file led been. Out one true this morning, I new a q minor carrying nom. O Probably the mate of the of who musp like the boids on Pichindra In The of surveys are really quite easy to recognize in the field Expecially front view. Front and vides of head, breast, and belly seem to be a uniform french gray (& Orbigny's are probably diefity bluer). The bells of of numers also seem to be junker than there of ot a Onbigar by y's finally the of rumors new to lack the black facial wask of of D'University s May 24, 1961 Catamenia, I Much to my writere, there were a number of munos here I ui the brush just above where I have been stadying Diglemas. I I have beard reveral of a rengerey, and recesous q. almost all the rough of I miners I beard wither area tod ay were incomplete. Composed of only 1, 2, or 3 notes Otherwise like He the rough I have beard elsewhere. I shis time I notited that the of had refous weder tail coverts.

Certamenea, I

May 21, 1202

I have restolente leagues to worm alcout may idente frontion of the record speaces of Colemans love. It is possible that I have confund homoclinon with minor (mornata), if both speaces own in the area. I don't think I have ever near the above of a Minus. The shine of Thomochrons I have reconsent to be identical with the planning of the H's I have dentified as menor in my previous notes. Have reform when tail-reverts for from new on I shall have to be very complet of my identifications and descriptions of broads of this type.

This morning, I worked were them. Ever hy the town that I beard lots of nows which remark to be "vicompilete" we wrote of "minor "song. At drawn Composed of only 2 notes.

mummer!

fater in the morning, along the path above Hoa, I saw a nucle of perdud white in a buch This bird was french grey almost all over, with streaked back and wings, and rufous wider tail-coverts. (For the true being, I shall call all nech burds "Fyre I", whitten or not there is a "Fyre I" here.)

In approximately the same area, I beard lots of "minor" type rougs. Some compared of only 2 notes, like the rover beard

carlier down below. Others composed of 4 notes (in one care 5)

rune of less lelle the rouge beard wear Diagnito last year (neces of Glang 81 1741, op. 13 + 14).

Once, I desiglet that both 2- note and 4 note rough muit

I we been uttered by the same burd

Hufortwater, bowever, I vever new aus of the builless

Ca de Traqueto

70

Working here in several as Contrapor this afternoon

3: 25 Can bean several D'Orbeques singue here. Phies
babit of snigning decrumente daytume rung be another indication of relation
when to Volatimes.)

year Quite releut. Her sufous under tack coverts. For were if it has streeting on back of not.

Calameur, I

May 22, 1742.

road in front of me. four compound of 4 or 3 notes. More or less unal form. Bud flying with bead a neck pointed diagonally upward. Wing bests very deep and rapid, but bird not progressing very rapidly. Unfortunately, I couldn't nee book well enough to cately the details of its plumage "400 arm. Watetring a single of rainor" singing. 2-note son

of Mught be transveled in " Lacouraciona precescemente montante

museum

Second note much louder than frist.

Broid retting in nuretualized porture during performance, lefting head during utter and of the notes. all I would use of the lived was that it is gray

on head a underwealth, apparently with sufour tail-coverts.

8:00 am fee itte same of another bird singing. Surging steadely but all songs 2-note. Just as before. This time I can see that the bird is definitely steaded on back. Apparently refous under tail, but not never

When gives 1 4-note. Then resumes 2-note. Then another 4-note

munny

munuw

Mary .

744

Men flui away 8:13 am.

8:19 am. Cateli another gluppe of same bood surgery 2-note songs. It is definitely surfaces under tail. Moderately light surfaces.

This time I can see both back stupes a surface Clear the back stupes are

Catamenia, May 23, 1962, II. really rewerlably wicourpre - The state of the Quett good! nous viewed from the ride) - This is the postwer the burd canuncal during notes. Defruite but reget CR. Breart & belle fluffed reparently. Face out, not down. Wrugs meeting on backs Ithurk I have been receive a different brieds surging their monning. The last few incidents recouled above occurred nome dutan a away from where I saw a buil rugue fruit I have now, 8130, gove back to first area, and there is a bud rugging here now (too) all 2-note rong. I am now beginning to think that there is one yours of variable. My ? Intrusic differences between local populations ?? Or differences in internst ?? I no, which are the ligher interes May 24, 1762 Ca de Triaqueto Certamenia, I Hochung wi weral field here Jugat) utters loud hourse "Zeesah zeenah zeenah zeenah zeenah" in flight and as be lands. Devous HAC

5.46 Hear a pembar "minor" type song:

Catemenia, May 24, 1962, II numerous 3 rotes - the last being a clear white. numer rufous under tail. Thow growing quite long and more or less typus (double) plurares. E.g. munu

Catamenia, May 24, 1962, III. These sones are given from the usual postwie. No CR. of also utters
quite a lot of them, clear, roft, mugle "Frest" between and after plurares
Especially well, to utter 1 "Frest" immediately after plurare. Could there "Treet", be ONS? quete variable Most are comme ga: newww